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PHOTOGRAMMETRIC NETWORK FOR EVALUATION OF HUMAN FACES FOR FACE RECONSTRUCTION PURPOSE

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Abstract. Facial reconstruction is the process of reconstructing the geometry of faces of persons from skeletal remains. A research group (*BME Cooperation Research Center for Biomechanics*) was formed representing several organisations to combine knowledgebases of different disciplines like anthropology, medical, mechanical, archaeological sciences etc. to computerize the face reconstruction process based on a large dataset of 3D face and skull models gathered from living persons: cranial data from CT scans and face models from photogrammetric evaluations. The BUTE Dept. of Photogrammetry and Geoinformatics works on the method and technology of the 3D data acquisition for the face models. In this paper we will present the research and results of the photogrammetric network design, the modelling to deal with visibility constraints, and the investigation of the developed basic photogrammetric configuration to specify the result characteristics to be expected using the device built for the photogrammetric face measurements.

[Conference Paper](#) (PDF, 1499 KB)

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